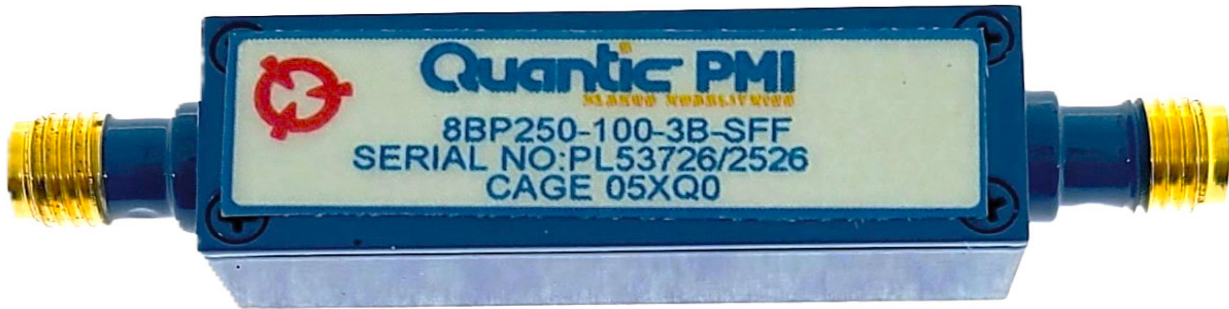


TYPICAL CHARACTERISTICS ON 8BP250-100-3B-SFF

PMI MODEL: 8BP250-100-3B-SFF IS AN LC BANDPASS FILTER WITH SMA FEMALE CONNECTORS.



REPORTED BY: V. PRATAP
TESTED BY: E. KRETZ
DATE: 6/26/2025

TYPICAL CHARACTERISTICS ON 8BP250-100-3B-SFF

PRODUCT FEATURE

DESCRIPTION:
PMI MODEL: 8BP250-100-3B-SFF IS AN LC BANDPASS FILTER WITH SMA FEMALE CONNECTORS.

ZONE	REV	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	4/18/2018	

SPECIFICATIONS:

- PASSBAND FREQUENCY:..... 200 TO 300 MHz
- BANDWIDTH (-3dB):..... 100 MHz MIN
- INSERTION LOSS @ 250 MHz (Fo):..... 2 dB MAX
- VSWR:..... 1.5 : 1 MAX
- REJECTION @ 150 MHz:..... 90 dB MIN
- REJECTION @ 350 MHz:..... 90 dB MIN
- INPUT POWER:..... 1 W MAX
- CONNECTORS:..... SMA FEMALE (X2)
- SIZE:..... 1.50"(L) X 0.50"(W) X 0.50"(H)
- WEIGHT:..... 1 OZ. TYP
- FINISH:..... PAINTED BLUE

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- SALT FOG:..... MIL-STD-202, METHOD 107D COND. A
- FUNGUS:..... MIL-STD-810C, METHOD 508.2
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS	DATE	TITLE
DESIGNED BY V. PRATAP	4/18/2018	8BP250-100-3B-SFF
REDESIGNED BY		
REVIEWED BY		
DATE		

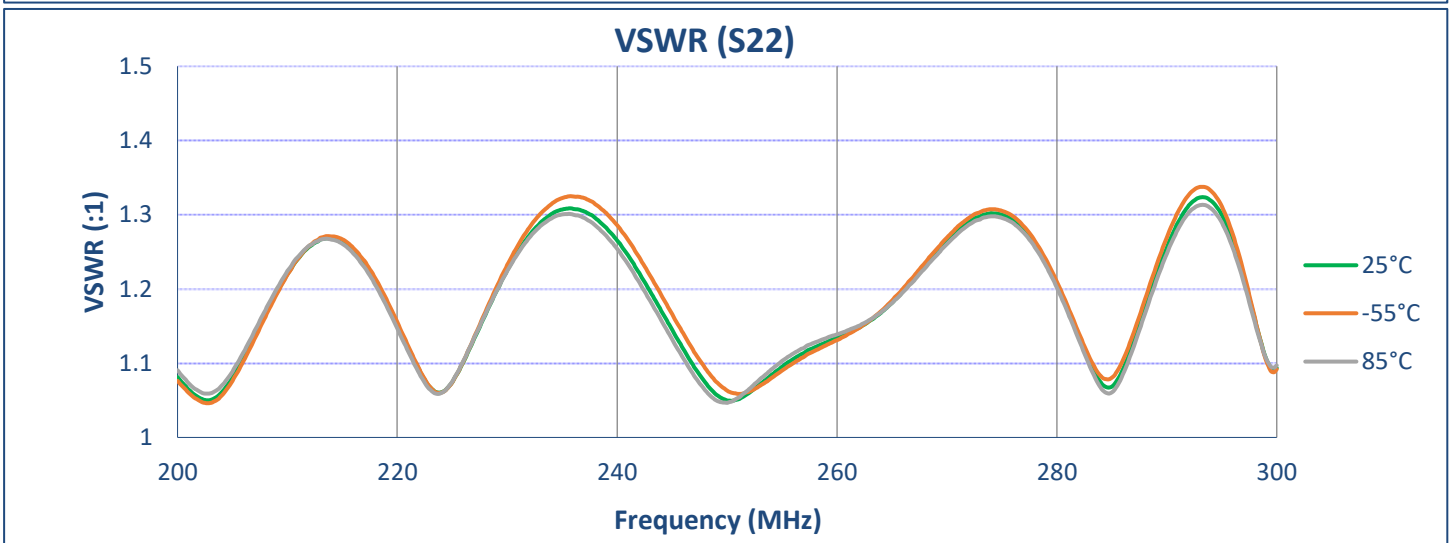
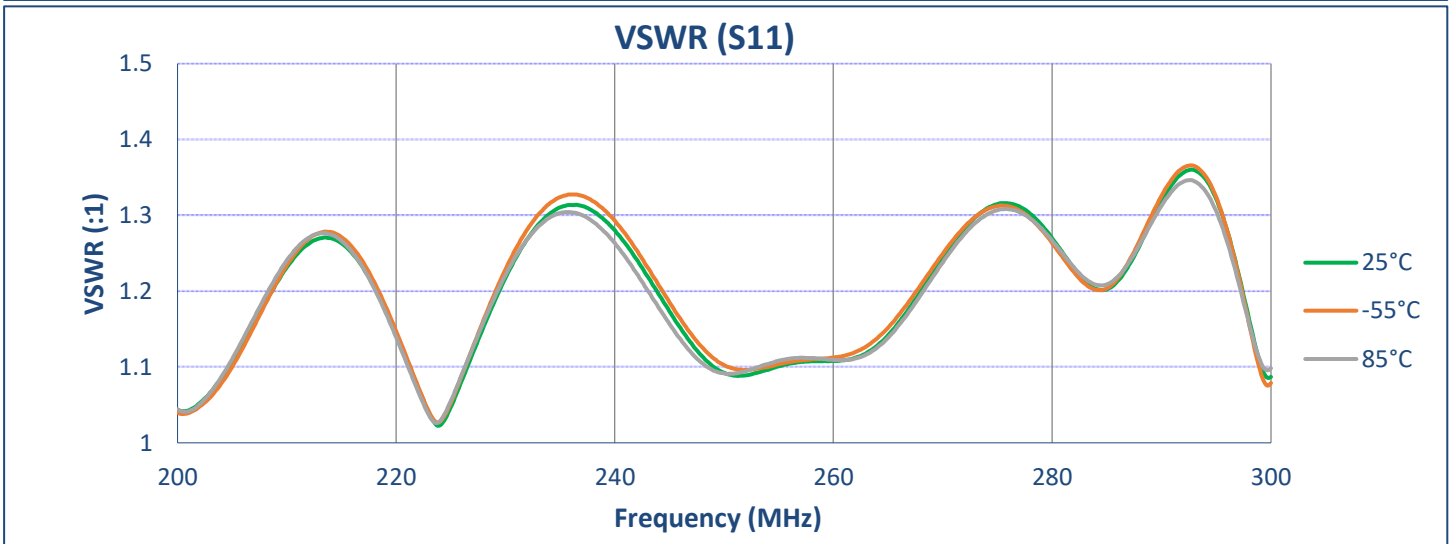
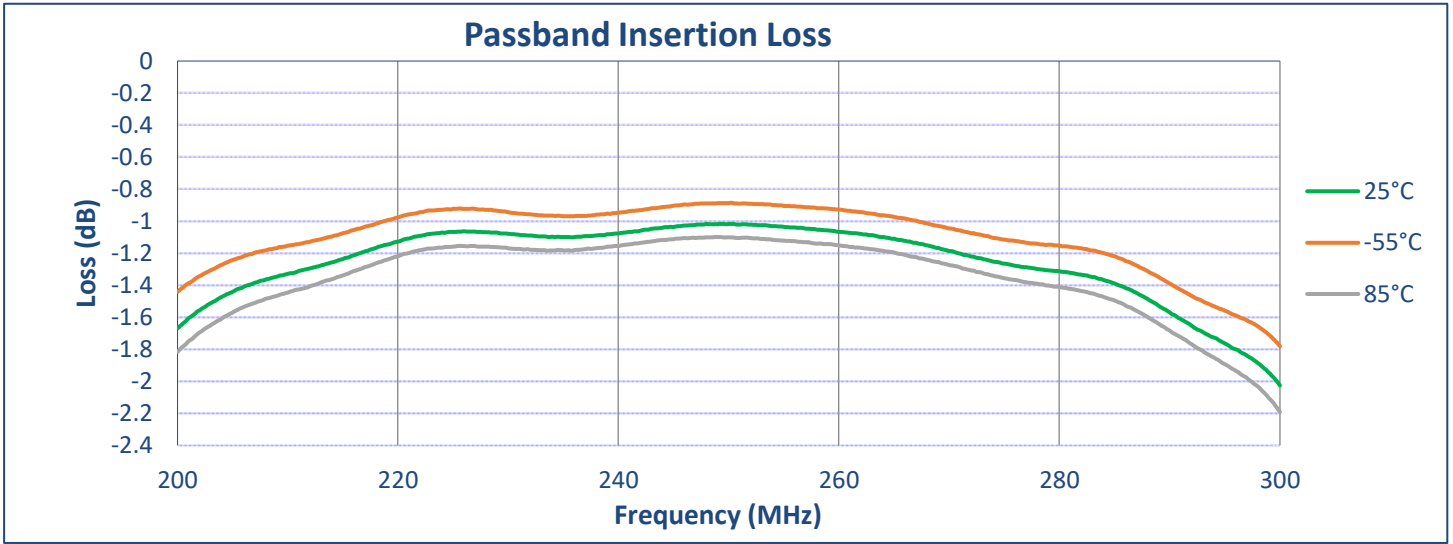
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SCALE 3:1			SHEET 1 OF 1

TYPICAL CHARACTERISTICS ON 8BP250-100-3B-SFF

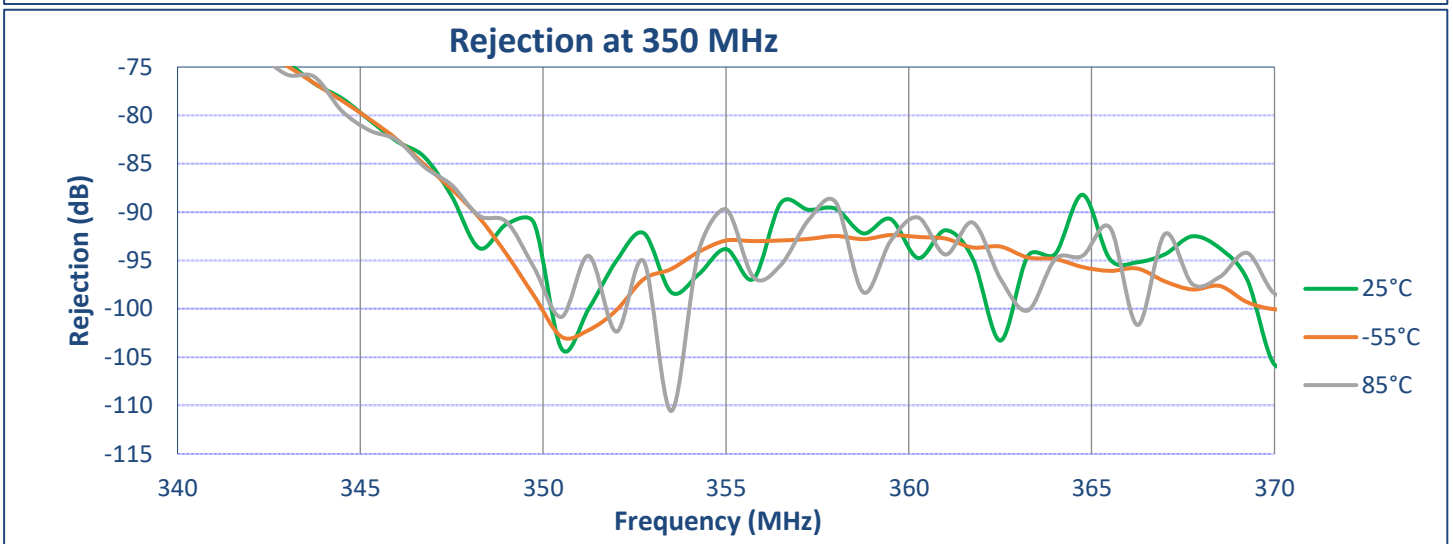
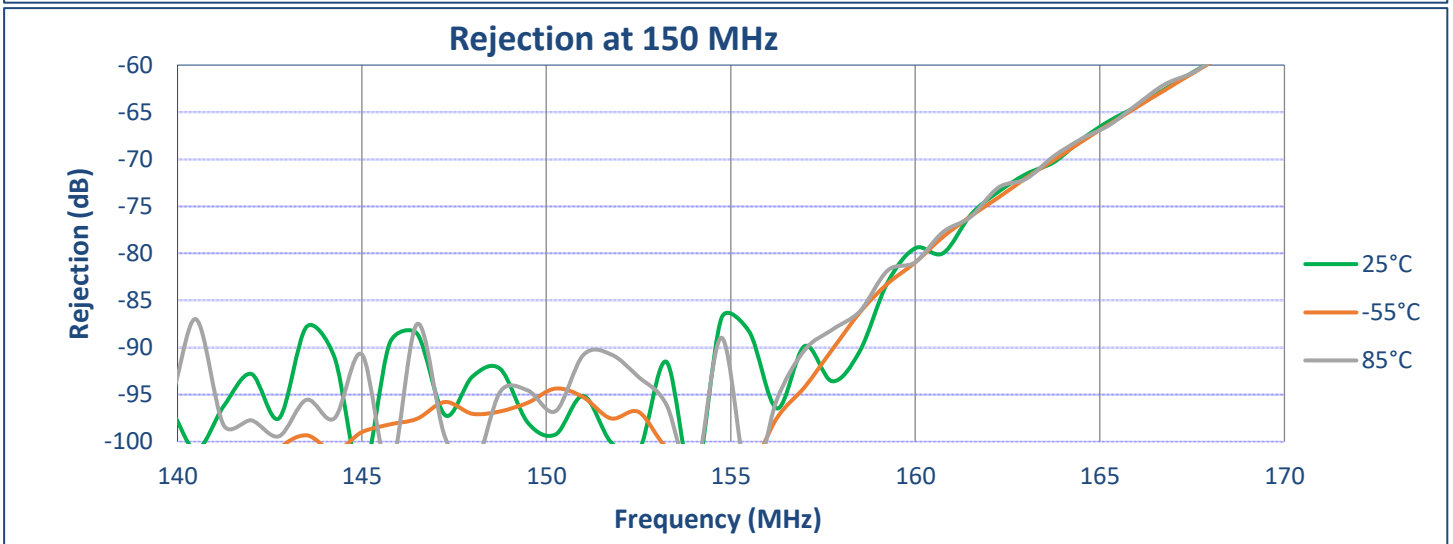
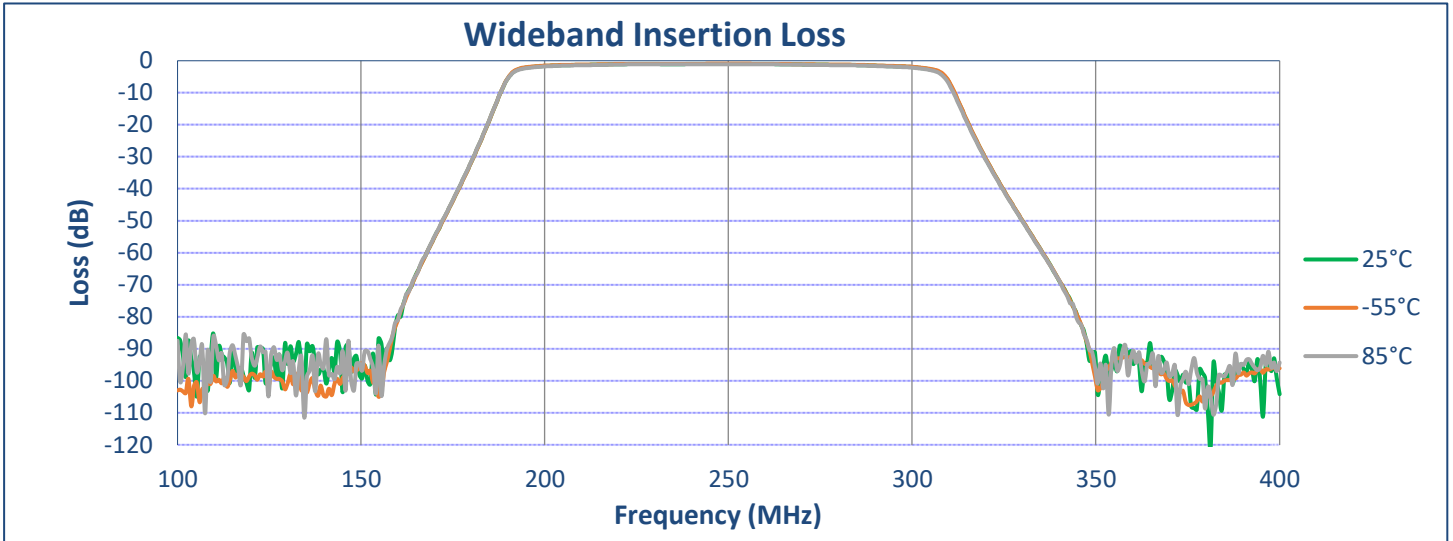
TECHNICAL SPECIFICATIONS

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			25°C	-55°C	+85°C
1	Passband Frequency Range	200 TO 300 MHz	200 TO 300 MHz		
2	Bandwidth (-3dB)	100 MHz MIN	113.25 MHz (See Graph)	114 MHz (See Graph)	111.75 MHz (See Graph)
3	Insertion Loss @ 250 MHz (Fo)	2 dB MAX	1.02 dB (See Graph)	0.89 dB (See Graph)	1.1 dB (See Graph)
4	VSWR	1.5:1 MAX	1.31:1 (See Graph)	1.37:1 (See Graph)	1.35:1 (See Graph)
5	Rejection @ 150 MHz	90 dB MIN	99.21 dB (See Graph)	94.35 dB (See Graph)	96.76 dB (See Graph)
6	Rejection @ 350 MHz	90 dB MIN	104.14dB (See Graph)	102.89 dB (See Graph)	100.83 dB (See Graph)
7	Input Power	1W MAX	1W (See Graph)		

**TYPICAL CHARACTERISTICS
ON
8BP250-100-3B-SFF**



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